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T09290 00216960

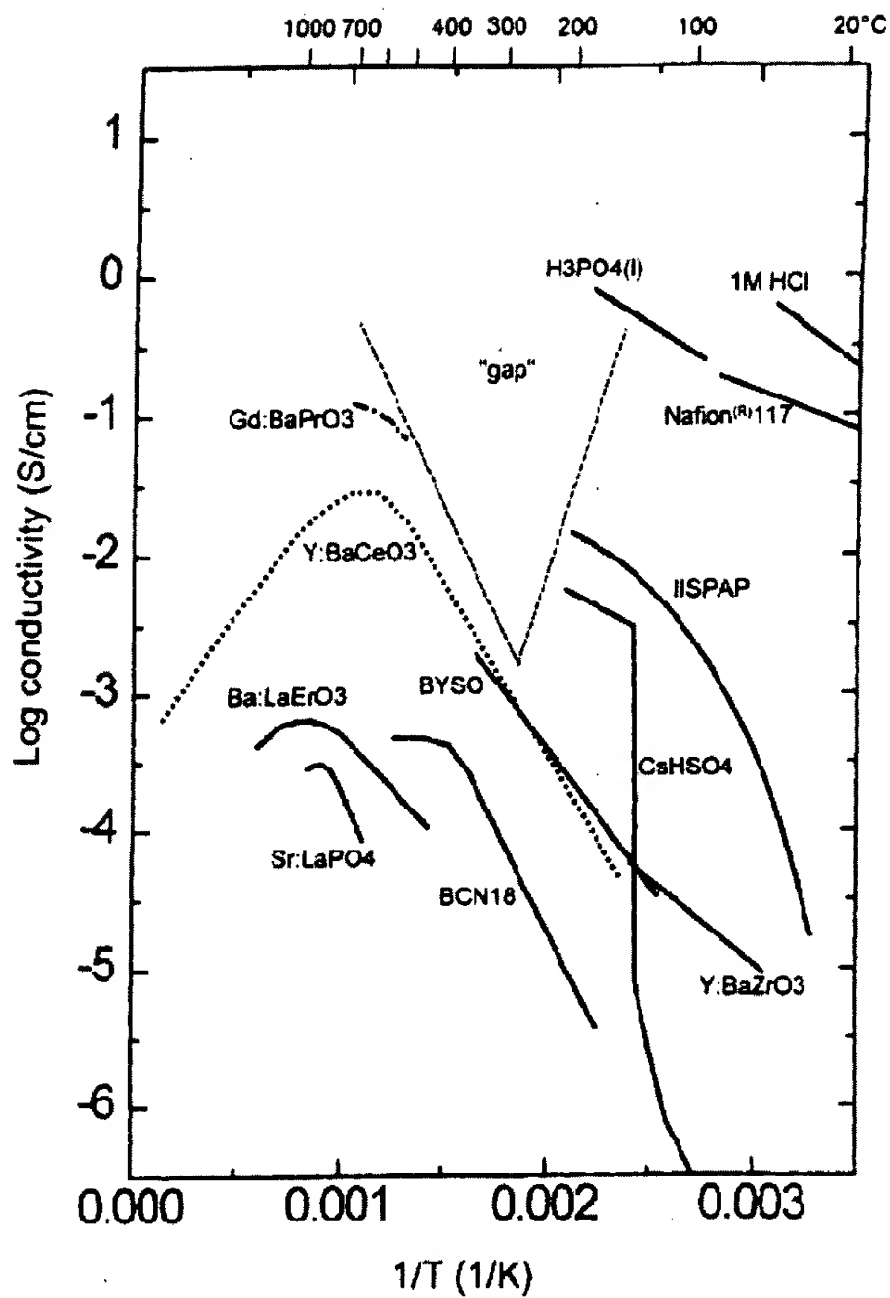


Figure 1

0939100-063601

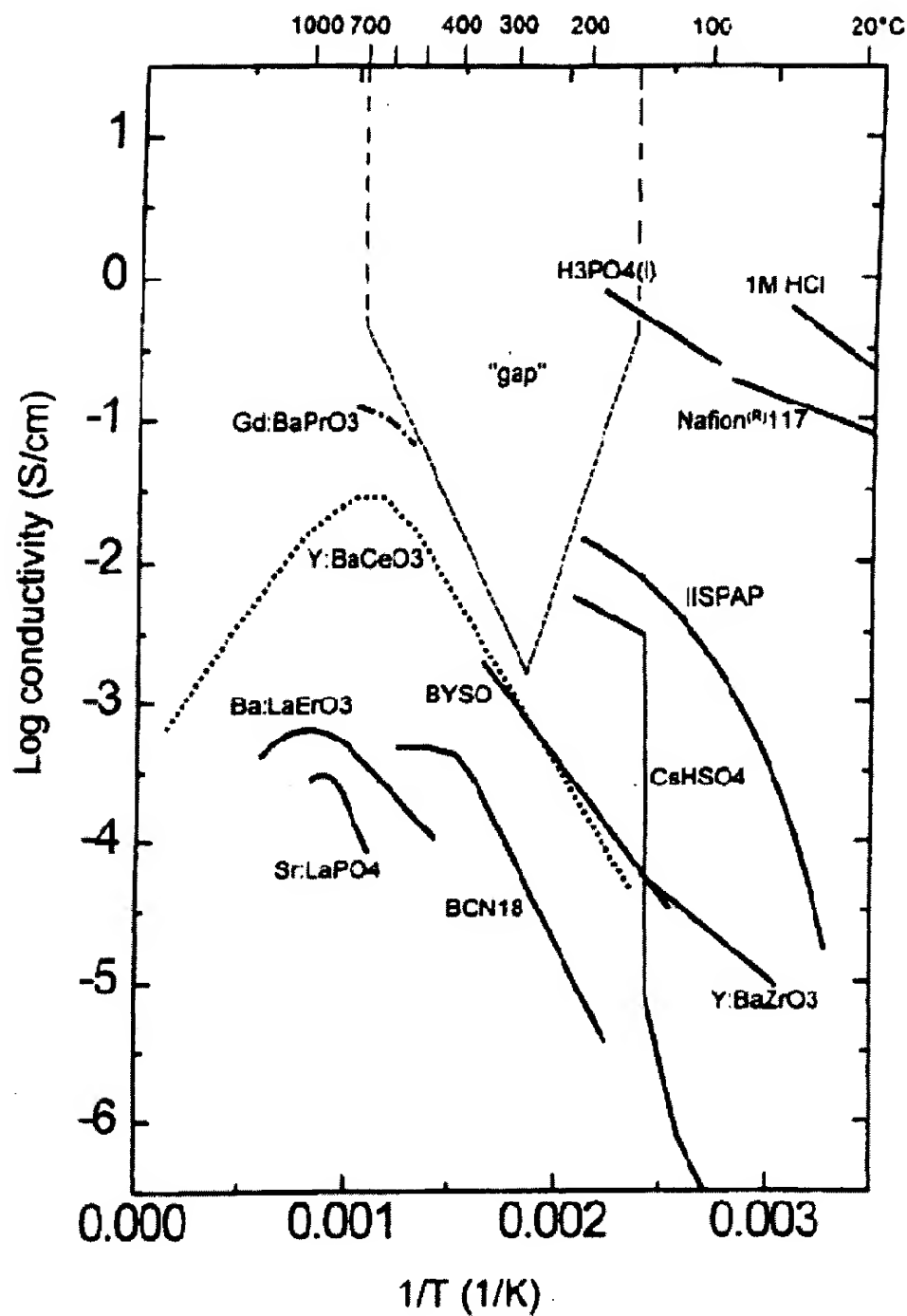
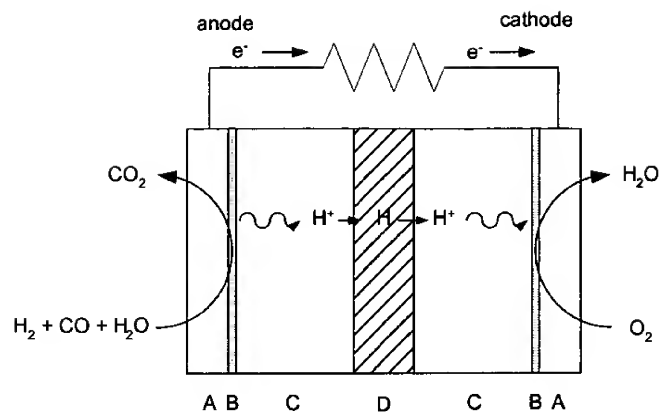


Figure 2



- A: Porous Gas Diffusion Electrode
- B: Electrocatalyst Layer
- C: Proton Permeable Electronic Insulator Layer
- D: Palladium Membrane

Figure 3

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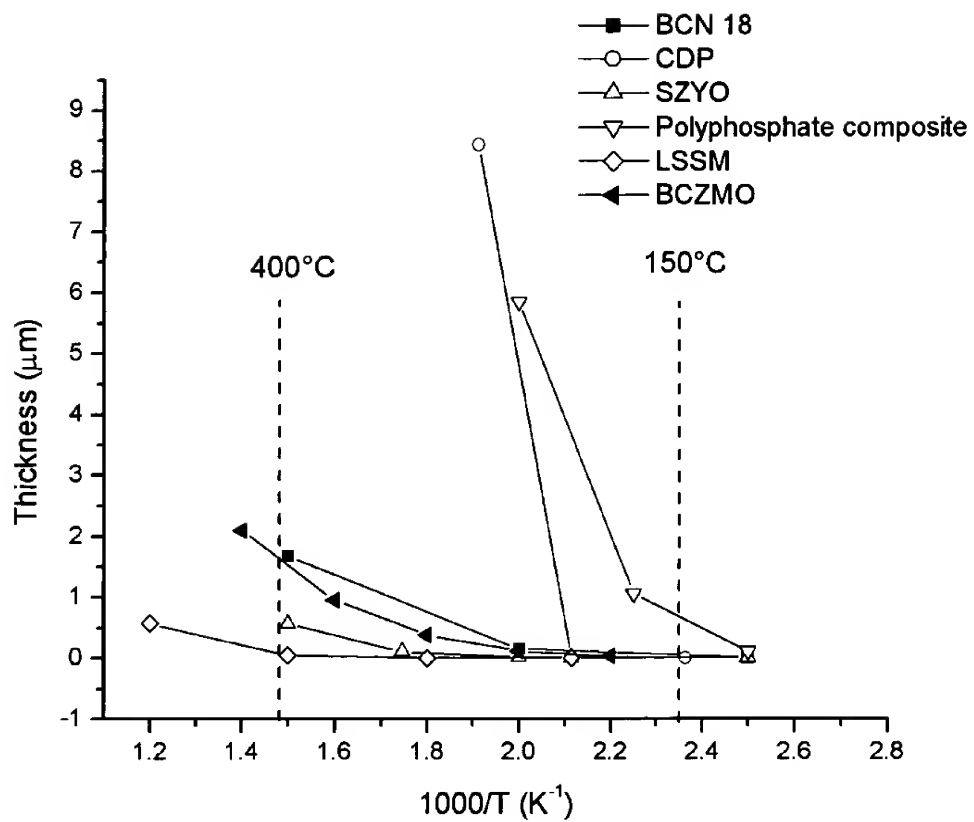


Figure 4

Membrane Electrolyte Assembly

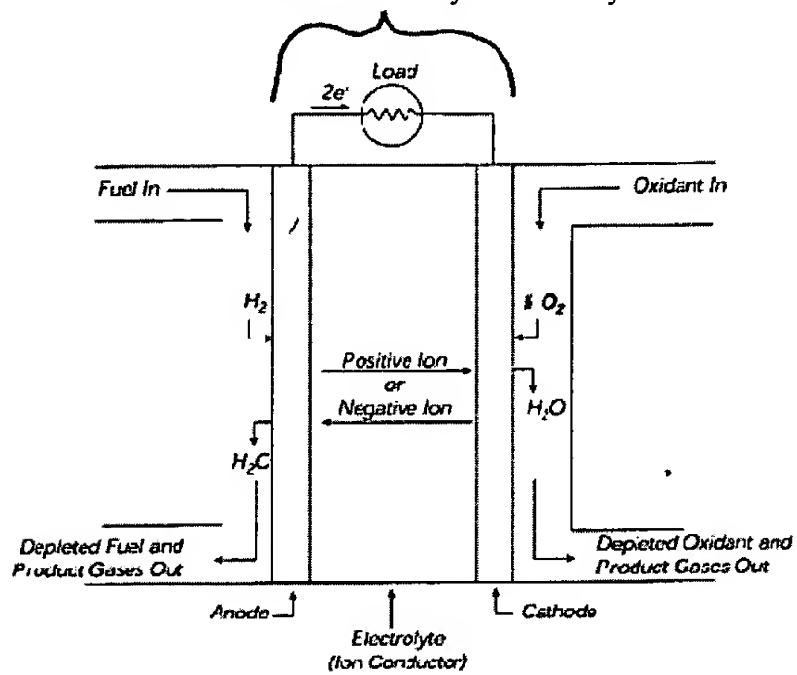
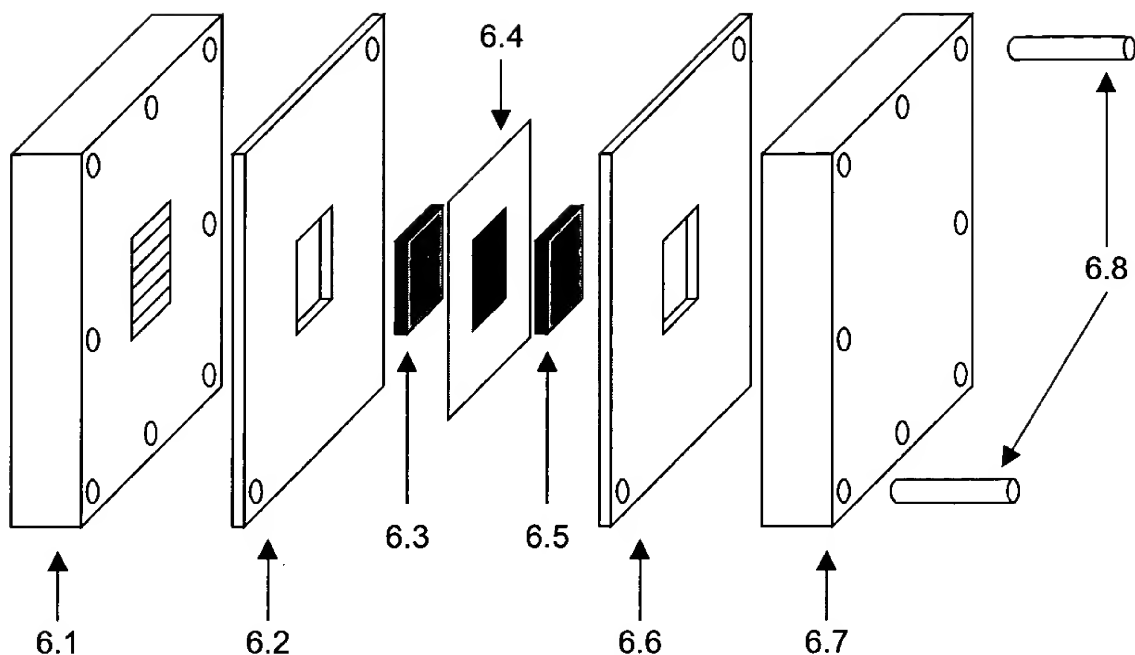


Figure 5



- 6.1 Graphite block with anode flow field
- 6.2 PTFE gasket
- 6.3 Anode: catalyzed gas diffusion layer (carbon cloth)
- 6.4 Proton Conducting Composite Membrane comprising an electronically insulating proton conductor (hatched section) supported on a metal hydride, i.e., Pd foil (dotted section)
- 6.5 Cathode: catalyzed gas diffusion layer (carbon cloth)
- 6.6 PTFE gasket
- 6.7 Graphite block with cathode flow field
- 6.8 Alignment pins

Figure 6

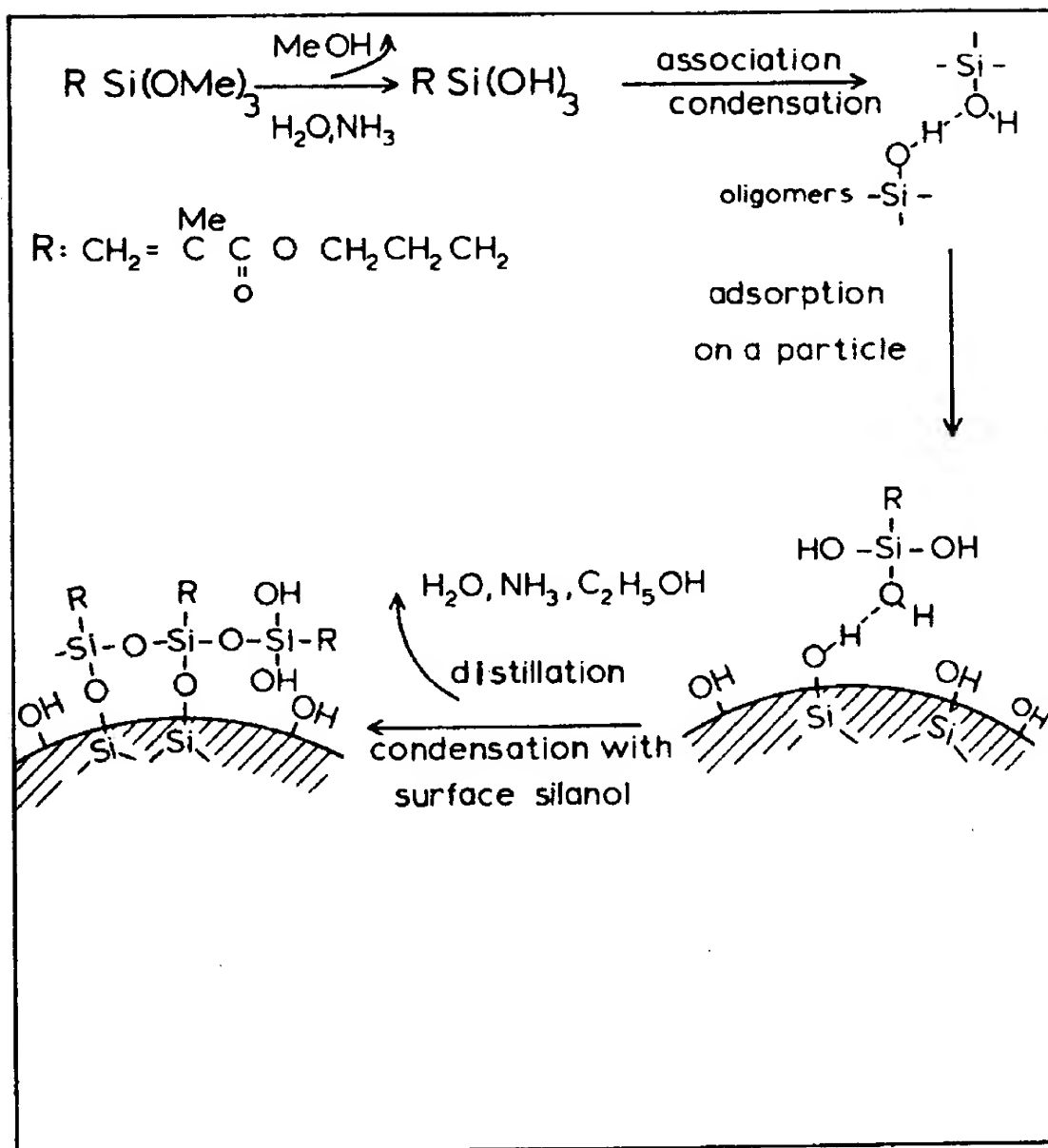


Figure 7

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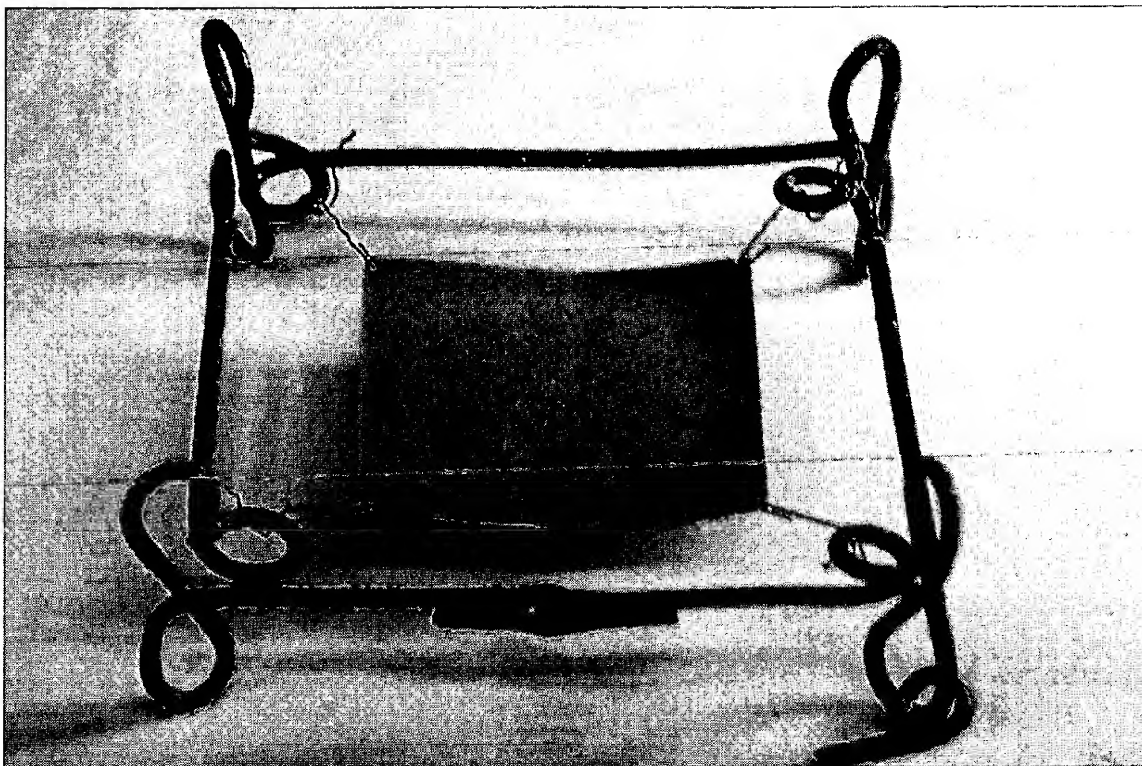


Figure 8

Intermediate temp fuel cell, H₂/O₂

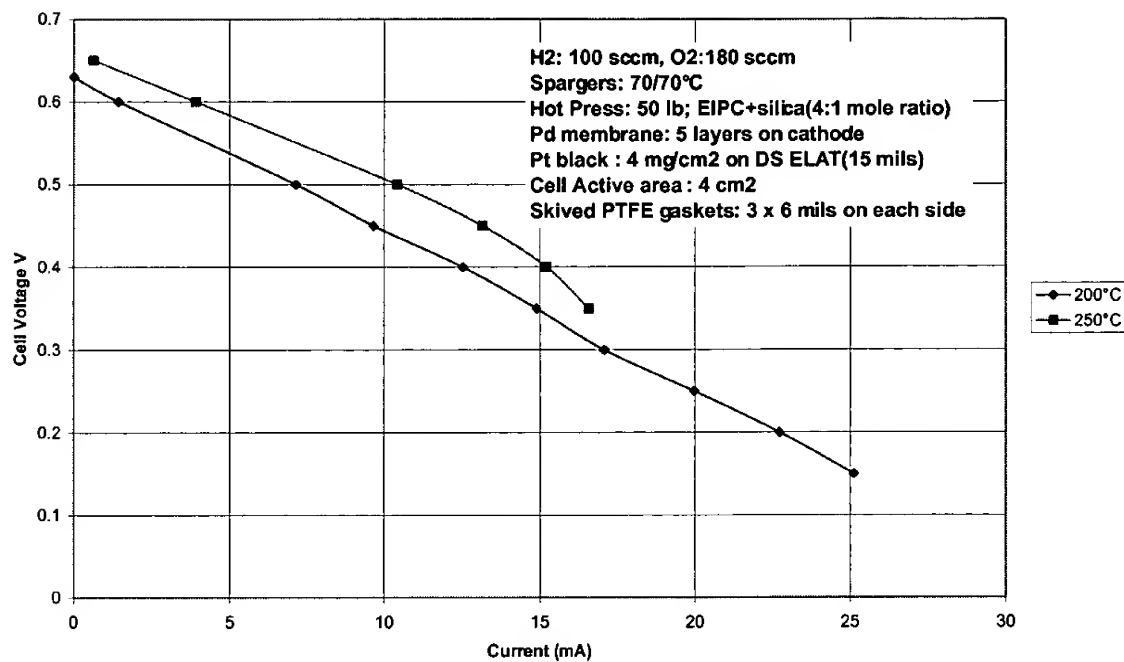


Figure 9

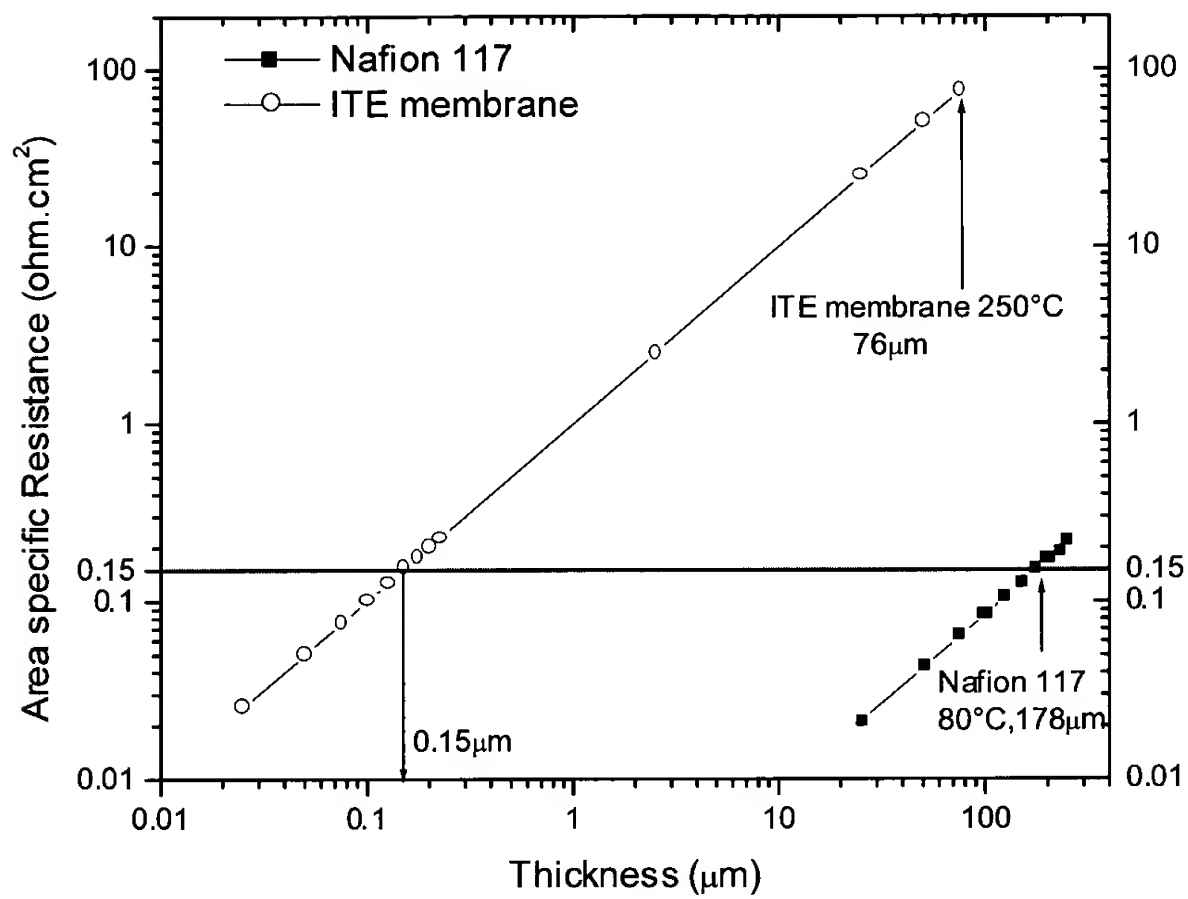


Figure 10

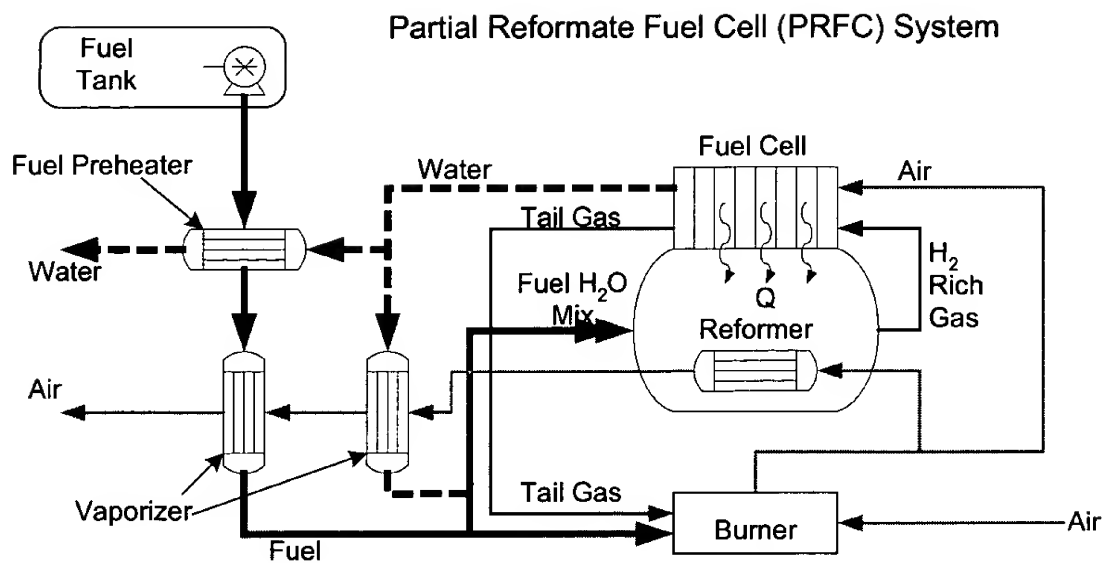


Figure 11

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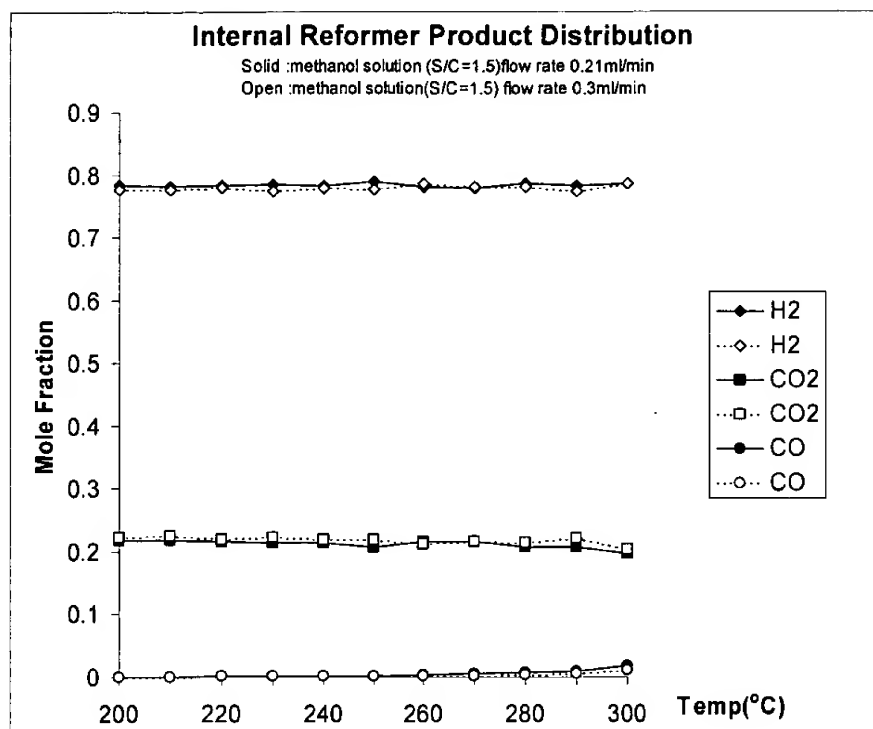


Figure 12